

California Regional Water Quality Control Board
North Coast Region

ORDER NO. R1-2001-57
ID NO. 1A85029RTRI

WASTE DISCHARGE REQUIREMENTS
AND
WATER RECYCLING REQUIREMENTS

FOR

STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
TRINITY RIVER CONSERVATION CAMP
WASTEWATER TREATMENT FACILITY (WWTF)

Trinity County

The California Regional Water Quality Control Board, North Coast Region (hereinafter Regional Water Board) finds that:

1. The State of California, Department of Forestry (hereinafter Discharger), owns and operates a wastewater treatment and disposal facility for the Trinity River Conservation Camp located two miles south of Chair Engle Lake in the West ½ of Section 20, T34N, R8W, MDB&M as shown on Attachment "A", incorporated herein and made a part of this Order.
2. The Trinity River Conservation Camp is a minimum security prison housing 135 inmates and 30 Department of Forestry operations personnel. The camp is located on Pettijohn Mountain on a 350-acre parcel, which was the borrow pit for materials used to construct Trinity Dam. This parcel lies on the top of a divide that drains to the Trinity River both above and below Clair Engle Lake. The land is under the jurisdiction of United States Department of Agriculture, Forest Service, Trinity National Forest.
3. The wastewater treatment facility consists of a gravity sewer, 11,000-gallon septic tank and force main, followed by two oxidation/percolation/evaporation ponds and dry-season spray irrigation on four acres. The waste treatment system has a design capacity of 12,000 gallons per day. Current dry weather flows average 9,000 gallons per day. The irrigated land disposal area has facilities for collection and runoff return to the disposal area. The oxidation/percolation/evaporation ponds have no provisions for surface discharge.
4. The Water Quality Control Plan for the North Coast Region includes water quality objectives; a prohibition against discharge to the Trinity River and its tributaries, including Clair Engle Lake and Lewiston Lake; and receiving water limitations.

5. Pursuant to Section 13523 of the California Water Code, the Regional Water Board, after consultation with and receipt of recommendations from the Department of Health Services (DHS), determines that in order to protect the public health, safety, or welfare, it is necessary to prescribe water recycling requirements. The requirements of this Order conform with and implement the water recycling criteria contained in Title 22, Division 4, Chapter 3, California Code of Regulations, Section 60301 through 60355, promulgated by DHS pursuant to Section 13521 of the California Water Code.
6. The beneficial uses of Clair Engle Lake, Lewiston Lake and the Trinity River include:
 - a. municipal and domestic supply
 - b. agricultural supply
 - c. groundwater recharge
 - d. freshwater replenishment
 - e. water contact recreation
 - f. noncontact water recreation
 - g. warm freshwater habitat
 - h. cold freshwater habitat
 - i. wildlife habitat
 - j. fish migration
 - k. fish spawning
7. The discharge is presently governed by Waste Discharge Requirements Order No. 85-175, adopted by the Regional Water Board on December 5, 1985.
8. This project is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) as an existing facility involving no or negligible expansion of use (Title 14, California Code of Regulations, Section 15301).
9. The permitted discharge is consistent with the provisions of State Water Resources Control Board Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California". The impact on existing water quality will be insignificant.
10. The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.
11. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.

THEREFORE, IT IS HEREBY ORDERED that Waste Discharge Requirements Order No. 85-175 is rescinded and the Discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. DISCHARGE PROHIBITIONS

1. The discharge of waste to the Trinity River or its tributaries, Clair Engle Lake and Lewiston Lake is prohibited.
2. The discharge of any waste not specifically regulated by this Order is prohibited.
3. Creation of a pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code (CWC), is prohibited.
4. The discharge of untreated waste from anywhere within the collection, treatment, or disposal facility is prohibited.
5. The discharge of waste and or recycled water to land that is not owned or controlled by the Discharger is prohibited, except as authorized under sections **C. WATER RECYCLING REQUIREMENTS** and **D. SOLIDS DISPOSAL**.

B. DISCHARGE SPECIFICATIONS

1. Waste ponded within the oxidation/percolation/evaporation ponds shall not have a dissolved oxygen content of less than 1.0 milligram per liter (mg/l).
2. Discharge to the oxidation/percolation/evaporation ponds shall be terminated when the freeboard decreases to 2.0 foot.
3. The discharge of waste shall not cause pollution of groundwater.
4. The mean daily dry weather flow of waste to the treatment and disposal system shall not exceed 12,000 gallons per day.
5. The application period of recycled water to forage crops shall be the irrigation season of April 1 through November 15. Prior to April 1 or the start of the irrigation period, wastewater supply ditches, diversions, and berms shall be prepared for the proper conveyance of recycled water. All necessary drainage facilities shall be installed to adequately manage and control the application and transport of recycled water to prevent runoff to surface waters.

C. WATER RECYCLING REQUIREMENTS

1. Recycled water shall be managed in conformance with regulations (water recycling criteria) contained in Title 22, Division 4, Chapter 3, California Code of Regulations.
2. The use of recycled water that results in unreasonable waste of water is prohibited.
3. The use of recycled water that creates a condition of pollution or nuisance is prohibited.

4. All areas where recycled water is used and that are accessible to the public shall be fenced and posted with conspicuous signs that include the following wording in a size no less than four inches high by eight inches wide: **RECYCLED WATER - DO NOT DRINK** or **RECLAIMED WATER - DO NOT DRINK**. Each sign shall display an international symbol similar to that shown in Figure 1 attached hereto and made a part of this Order. Signs are to be posted along the perimeter of accessible recycling areas at intervals not to exceed 500 feet with a minimum of one sign at each side of each corner of the parcel and at access road entrances.
5. Except as allowed under Section 7604 of Title 17, California Code of Regulations, no physical connection shall be made or allowed to exist between any recycled water system and any separate system conveying potable water. All piping, valves, and outlets shall be marked to differentiate recycled water from other sources. The portions of the recycled water piping system that are in areas subject to access by the general public shall not include any hose bibbs. Quick couplers that are different from those used on the potable water system shall be used on the portions of the recycled water piping system in areas subject to public access.
6. There shall be no discharge of inadequately treated (waste characteristics that do not comply with effluent limitations) wastewater from the wastewater treatment facility to any of the water recycling areas
7. Recycled water, including windblown spray, mist, and runoff of effluent applied for irrigation, shall not be discharged onto lands not specifically permitted by this Order or into Clair Engle Lake, Lewiston Lake, the Trinity River, or their tributaries.
8. Recycled water shall be controlled in a manner that ensures that irrigation runoff is confined to the recycled water use area.
9. Recycled water shall not be irrigated (wetted perimeter of irrigation area), impounded, or allowed to runoff within 150 feet of any domestic water supply well.
10. Recycled water shall not be irrigated within 100 feet of a residence or any place where public exposure could be similar to that of a park, playground, or school yard.
11. Recycled water shall be managed so as to prevent ponding and conditions conducive to the proliferation of mosquitoes and other disease vectors, and to avoid creation of a public nuisance or health hazard.
12. Recycled water shall be managed, and spray and mist of recycled water shall be controlled, to minimize contact with workers. Spray, mist, or runoff shall not enter dwellings, designated outdoor eating areas, or food handling facilities, nor shall it be allowed to come into contact with drinking water fountains.

13. On all water recycling areas:

- a. Recycled water shall not be applied to irrigation areas during periods when soils are saturated. Recycled water shall be applied at a rate and volume that does not exceed vegetative demand and soil moisture requirements (Type I irrigation).
- b. Pipelines and conveyance ditches shall be maintained to prevent leaks.
- c. Crops shall be harvested or grazed at appropriate intervals to maintain low vegetative levels in order to permit maintenance and inspection of recycled water areas.

D. SOLIDS DISPOSAL

1. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Title 27, of the California Code of Regulations or as waived pursuant to Section 13269 of the California Water Code.
2. Any proposed change in sludge use or a disposal practice from a previously approved practice shall be reported to the Regional Water Board Executive Officer (Executive Officer) at least 90 days in advance of the change.

PROVISIONS

1. Availability

A copy of this Order shall be maintained at the discharge facility and be available at all times to operating personnel.

2. Severability

Provisions of these waste discharge requirements are severable. If any provision of these requirements is found invalid, the remainder of these requirements shall not be affected.

3. Operation and Maintenance

The Discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the Discharger to achieve compliance with the waste discharge requirements.

4. Change in Discharge

The Discharger shall promptly report to the Regional Water Board any material change in the character, location, or volume of the discharge.

5. Change in Ownership

In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the following items by letter, a copy of which shall be forwarded to the Regional Water Board:

- a. existence of this Order, and
- b. the status of the Discharger's annual fee account

6. Vested Rights

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the Discharger from his liability under federal, state, or local laws, nor create a vested right for the Discharger to continue the waste discharge.

7. Monitoring

The Discharger shall comply with the Contingency Planning and Notification Requirements Order No. 74-151 and the Monitoring and Reporting Program No. R1-2001-57 and any modifications to these documents as specified by the Executive Officer. Such documents are attached to this Order and incorporated herein. Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services.

8. Inspections

The Discharger shall permit authorized staff of the Regional Water Board:

- a. Entry upon premises in which an effluent source is located or in which any required records are kept;
- b. Access to copy any records required to be kept under terms and conditions of this Order;
- c. Inspection of monitoring equipment or records; and
- d. Sampling of any discharge.

9. Noncompliance

In the event the Discharger is unable to comply with any of the conditions of this Order due to:

- a. Breakdown of waste treatment equipment;
- b. Accidents caused by human error or negligence; or
- c. Other causes such as acts of nature;

the Discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the noncompliance and shall indicate the steps taken to correct the problem and the dates thereof, and the steps being taken to prevent the problem from recurring.

10. Revision of Requirements

The Discharger shall file a report of waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the discharge.

Certification

I, Lee A. Michlin, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on June 28, 2001.

Lee A. Michlin
Executive Officer